GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: January 27, 2006, 14:41:39 ; Search time 22.3851 Seconds
(without alignments)
1403.470 Million cell updates/sec

Title: US-09-868-123-4
Perfect score: 2104
Sequence: 1 MAFVCLAIGCLYTFLISTTF.....LLLRKPNTYPKMIPEFFCDT 380

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/H_COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep:*
5: /cgn2_6/ptodata/1/iaa/RE_COMB.pep:*
6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	2104	100.0	380	1	US-08-609-572-4	Sequence 4, Appli
2	2104	100.0	380	2	US-08-841-751-4	Sequence 4, Appli
3	2104	100.0	380	2	US-08-846-340-4	Sequence 4, Appli
4	2104	100.0	380	2	US-08-846-344-4	Sequence 4, Appli
5	2104	100.0	380	2	US-09-301-808-4	Sequence 4, Appli
6	1764	83.8	317	2	US-09-825-561A-84	Sequence 84, Appl
7	1503	71.4	386	2	US-09-828-995B-61	Sequence 61, Appl
8	1452.5	69.0	365	2	US-09-828-995B-66	Sequence 66, Appl
9	1392.5	66.2	318	2	US-09-828-995B-69	Sequence 69, Appl
10	1392.5	66.2	561	2	US-09-828-995B-72	Sequence 72, Appl
11	1392.5	66.2	561	2	US-09-828-995B-81	Sequence 81, Appl
12	1392.5	66.2	563	2	US-09-828-995B-78	Sequence 78, Appl
13	1392.5	66.2	565	2	US-09-828-995B-75	Sequence 75, Appl
14	1194.5	56.8	383	1	US-08-609-572-2	Sequence 2, Appli
15	1194.5	56.8	383	2	US-08-841-751-2	Sequence 2, Appli
16	1194.5	56.8	383	2	US-08-846-340-2	Sequence 2, Appli
17	1194.5	56.8	383	2	US-08-846-344-2	Sequence 2, Appli
18	1194.5	56.8	383	2	US-09-301-808-2	Sequence 2, Appli
19	955	45.4	220	2	US-09-949-016-7266	Sequence 7266, Ap
20	935.5	44.5	255	2	US-09-828-995B-58	Sequence 58, Appl
21	626.5	29.8	145	2	US-09-828-995B-55	Sequence 55, Appl
22	311.5	14.8	420	1	US-07-757-390-13	Sequence 13, Appl
23	311.5	14.8	420	1	US-08-442-282-13	Sequence 13, Appl
24	311.5	14.8	420	1	US-08-442-281-13	Sequence 13, Appl
25	311.5	14.8	420	1	US-08-939-727-13	Sequence 13, Appl
26	310.5	14.8	396	1	US-07-757-390-14	Sequence 14, Appl
27	310.5	14.8	396	1	US-08-442-282-14	Sequence 14, Appl
28	310.5	14.8	396	1	US-08-442-281-14	Sequence 14, Appl
29	310.5	14.8	396	1	US-08-939-727-14	Sequence 14, Appl
30	310.5	14.8	420	2	US-09-886-319A-24	Sequence 24, Appl
31	310.5	14.8	420	2	US-09-949-016-5958	Sequence 5958, Ap
32	310.5	14.8	427	2	US-09-949-016-8614	Sequence 8614, Ap
33	310.5	14.8	427	2	US-09-949-016-8620	Sequence 8620, Ap
34	302.5	14.4	405	2	US-09-828-995B-50	Sequence 50, Appl
35	298	14.2	424	2	US-09-688-286D-2	Sequence 2, Appli
36	295.5	14.0	427	2	US-08-969-125-9	Sequence 9, Appli
37	295.5	14.0	427	2	US-09-545-002-9	Sequence 9, Appli
38	295.5	14.0	427	2	US-09-949-016-6094	Sequence 6094, Ap
39	294.5	14.0	426	2	US-09-688-286D-4	Sequence 4, Appli
40	293	13.9	313	2	US-08-836-561-106	Sequence 106, App
41	293	13.9	313	2	US-09-434-122-106	Sequence 106, App
42	292	13.9	335	1	US-07-947-130-2	Sequence 2, Appli
43	292	13.9	335	1	US-08-421-822-2	Sequence 2, Appli
44	292	13.9	335	1	US-08-421-823-2	Sequence 2, Appli
45	285	13.5	793	2	US-09-313-942-32	Sequence 32, Appl

ALIGNMENTS

RESULT 1
US-08-609-572-4
; Sequence 4, Application US/08609572
; Patent No. 5710023
; GENERAL INFORMATION:
; APPLICANT: Collins, Mary
; APPLICANT: Donaldson, Debra
; APPLICANT: Fitz, Lori
; APPLICANT: Neben, Tamlyn
; APPLICANT: Whitters, Matthew
; APPLICANT: Wood, Clive
; TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,572
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: GI5268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 380 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-609-572-4

Query Match 100.0%; Score 2104; DB 1; Length 380;
Best Local Similarity 100.0%; Pred. No. 1.5e-207;
Matches 380; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60

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Db          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
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Db        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
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Db        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
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Qy        361 LLLRKPNTYPKMIPEFFCDT 380
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Db        361 LLLRKPNTYPKMIPEFFCDT 380
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RESULT 2
US-08-841-751-4
; Sequence 4, Application US/08841751
; Patent No. 6214559
; GENERAL INFORMATION:
; APPLICANT: Collins, Mary
; APPLICANT: Donaldson, Debra
; APPLICANT: Fitz, Lori
; APPLICANT: Neben, Tamlyn
; APPLICANT: Whitters, Matthew
; APPLICANT: Wood, Clive
; TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/841,751
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/609,572
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: GI5268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 380 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-841-751-4

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  Query Match           100.0%;  Score 2104;  DB 2;  Length 380;
  Best Local Similarity  100.0%;  Pred. No. 1.5e-207;
  Matches  380;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
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Db         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
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Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
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Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
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Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
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Qy        361 LLLRKPNTYPKMIPEFFCDT 380
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Db        361 LLLRKPNTYPKMIPEFFCDT 380
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RESULT 3
US-08-846-340-4
; Sequence 4, Application US/08846340
; Patent No. 6248714
; GENERAL INFORMATION:
; APPLICANT: Collins, Mary
; APPLICANT: Donaldson, Debra
; APPLICANT: Fitz, Lori
; APPLICANT: Neben, Tamlyn
; APPLICANT: Whitters, Matthew
; APPLICANT: Wood, Clive
; TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/846,340
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/609,572
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: GI5268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851

```
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-846-340-4

  Query Match             100.0%;  Score 2104;  DB 2;  Length 380;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-207;
  Matches  380;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
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Db         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
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Db        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
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Db        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
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Db        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300

Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
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Db        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360

Qy        361 LLLRKPNTYPKMIPEFFCDT 380
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Db        361 LLLRKPNTYPKMIPEFFCDT 380


RESULT 4
US-08-846-344-4
; Sequence 4, Application US/08846344
; Patent No. 6268480
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/846,344
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/609,572
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-846-344-4

  Query Match             100.0%;  Score 2104;  DB 2;  Length 380;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-207;
  Matches  380;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300

Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360

Qy        361 LLLRKPNTYPKMIPEFFCDT 380
              ||||||||||||||||||||
Db        361 LLLRKPNTYPKMIPEFFCDT 380


RESULT 5
US-09-301-808-4
; Sequence 4, Application US/09301808
; Patent No. 6664227
;  GENERAL INFORMATION:
;    APPLICANT:  Wynn, Thomas
;    APPLICANT:  Chiaramonte, Monica
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  TREATMENT OF FIBROSIS BY ANTAGONISM OF IL-13
;    TITLE OF INVENTION:  AND IL-13 RECEPTOR CHAINS
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
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;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/301,808
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268A2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-301-808-4

  Query Match             100.0%;  Score 2104;  DB 2;  Length 380;
  Best Local Similarity   100.0%;  Pred. No. 1.5e-207;
  Matches  380;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
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Db          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
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Db         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300

Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360

Qy        361 LLLRKPNTYPKMIPEFFCDT 380
              ||||||||||||||||||||
Db        361 LLLRKPNTYPKMIPEFFCDT 380


RESULT 6
US-09-825-561A-84
; Sequence 84, Application US/09825561A
; Patent No. 6777539
; GENERAL INFORMATION:
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT:  No. 6777539ak, Julia E.
;  APPLICANT:  West, James W.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Nelson, Andrew J.
;  TITLE OF INVENTION: SOLUBLE ZALPHA11 CYTOKINE RECEPTORS
;  FILE REFERENCE: 00-22
;  CURRENT APPLICATION NUMBER: US/09/825,561A
;  CURRENT FILING DATE:  2000-04-05
;  PRIOR APPLICATION NUMBER: US 60/194,731
;  PRIOR FILING DATE: 2000-04-05
;  PRIOR APPLICATION NUMBER: US 60/222,121
;  PRIOR FILING DATE: 2000-07-28
;  NUMBER OF SEQ ID NOS: 86
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 84
;   LENGTH: 317
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-825-561A-84

  Query Match             83.8%;  Score 1764;  DB 2;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 1e-172;
  Matches  317;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy         27 DTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTIIT 86
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 DTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTIIT 60

Qy         87 KNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDCV 146
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDCV 120

Qy        147 YYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASD 206
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 YYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASD 180

Qy        207 YKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPIP 266
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 YKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPIP 240

Qy        267 ARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWS 326
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 ARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWS 300

Qy        327 DKQCWEGEDLSKKTLLR 343
              |||||||||||||||||
Db        301 DKQCWEGEDLSKKTLLR 317


RESULT 7
US-09-828-995B-61
; Sequence 61, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
;   LENGTH: 386
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-61

  Query Match             71.4%;  Score 1503;  DB 2;  Length 386;
  Best Local Similarity   72.9%;  Pred. No. 9.5e-146;
  Matches  272;  Conservative   42;  Mismatches   57;  Indels    2;  Gaps    2;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
              |||: | :| ||| |: | || :  |: ||||||||||||||||||| |||||||  |
Db          1 MAFIHLDVGFLYTLLVCTAFG-SMLSNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPD 59

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
              :|||||:||||||||| || ||||||||||||||||||||:|||| ||||||||:
Db         60 NFKECTIEYELKYRNIDSENWKTIITKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVR 119
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Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
              |||||||||  ||||  |||:|||||||||||||:||||||:||  ||||  ||||||||||
Db        120 SSWAETTYWTSPQGNRETKIQDMDCVYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDH 179

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
              : :| ||||  :|:|:|||||||||:|||||||||||||||::||| ||| ||||||||:|
Db        180 SAECTDYIKVNGKNMGCRFPYLESSDYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMP 239

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
              | ||: | ::| || |||::| |||||:|| ||||  || || || |||||    :|:||
Db        240 PDYLSLTVKNSEEINLKWNMPKGPIPAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNE 299

Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
              :::|||:|||||||||||||||||||:|||:| |: |:||: | :|| |: | |: :|
Db        300 SQKLCFLVRSKVNIYCSDDGIWSEWSDEQCWKG-DIWKETLVFFLIPFAFVSIFVLVITC 358

Qy        361 LLLRKPNTYPKMI 373
              ||| |     | |
Db        359 LLLYKQRALLKTI 371
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RESULT 8
US-09-828-995B-66
; Sequence 66, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
; APPLICANT: Heska Corporation
; APPLICANT: McCall, Catherine A.
; APPLICANT: Tang, Liang A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
; FILE REFERENCE: AL-7
; CURRENT APPLICATION NUMBER: US/09/828,995B
; CURRENT FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/195,874
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/195,659
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
; LENGTH: 365
; TYPE: PRT
; ORGANISM: Canis familiaris
US-09-828-995B-66

Query Match 69.0%; Score 1452.5; DB 2; Length 365;
Best Local Similarity 74.7%; Pred. No. 1.4e-140;
Matches 260; Conservative 38; Mismatches 49; Indels 1; Gaps 1;

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Qy         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85
              |: |||||||||||||||||||| |||||||  |:|||||:|||||||| || |||||
Db          4 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 63

Qy         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145
              |||||||||||||||||||:|||| ||||||||:|||||||| ||||  |||:|||||
Db         64 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 123

Qy        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        124 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 183

Qy        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        184 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 243

Qy        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325
              ||:|| |||| || || || |||||    :|:||:::|||:||||||||||||||||||
Db        244 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 303

Qy        326 SDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTGLLLRKPNTYPKMI 373
              ||:|||:| |: |:||: | :|| |: | |: :| ||| |     | |
Db        304 SDEQCWKG-DIWKETLVFFLIPFAFVSIFVLVITCLLLYKQRALLKTI 350
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RESULT 9
US-09-828-995B-69
; Sequence 69, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
; APPLICANT: Heska Corporation
; APPLICANT: McCall, Catherine A.
; APPLICANT: Tang, Liang A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
; FILE REFERENCE: AL-7
; CURRENT APPLICATION NUMBER: US/09/828,995B
; CURRENT FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/195,874
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/195,659
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
; LENGTH: 318
; TYPE: PRT
; ORGANISM: Canis familiaris
US-09-828-995B-69

Query Match 66.2%; Score 1392.5; DB 2; Length 318;
Best Local Similarity 78.1%; Pred. No. 1.6e-134;
Matches 246; Conservative 33; Mismatches 35; Indels 1; Gaps 1;

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Qy         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85
              |: |||||||||||||||||||| |||||||  |:|||||:|||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145
              |||||||||||||||||||:|||| ||||||||:|||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325
              ||:|| |||| || || || |||||    :|:||:::|||:||||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        326 SDKQCWEGEDLSKKT 340
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318
```

RESULT 10
US-09-828-995B-72
; Sequence 72, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
; APPLICANT: Heska Corporation
; APPLICANT: McCall, Catherine A.
; APPLICANT: Tang, Liang A.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
; FILE REFERENCE: AL-7
; CURRENT APPLICATION NUMBER: US/09/828,995B
; CURRENT FILING DATE: 2001-04-09
; PRIOR APPLICATION NUMBER: 60/195,874
; PRIOR FILING DATE: 2000-04-07
; PRIOR APPLICATION NUMBER: 60/195,659
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 104
; SOFTWARE: PatentIn version 3.1

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; SEQ ID NO 72
;   LENGTH: 561
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-72

  Query Match             66.2%;  Score 1392.5;  DB 2;  Length 561;
  Best Local Similarity   78.1%;  Pred. No. 3.9e-134;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85
              |: |||||||||||||||||||| |||||||  |:|||||:||||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145
              ||||||||||||||||||:|||| ||||||||:||||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325
              ||:|| ||||  || || || |||||    :|:||:::|||:|||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        326 SDKQCWEGEDLSKKT 340
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 11
US-09-828-995B-81
; Sequence 81, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
;   LENGTH: 561
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-81

  Query Match             66.2%;  Score 1392.5;  DB 2;  Length 561;
  Best Local Similarity   78.1%;  Pred. No. 3.9e-134;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85
              |: |||||||||||||||||||| |||||||  |:|||||:||||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145
              ||||||||||||||||||:|||| ||||||||:||||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325
              ||:|| ||||  || || || |||||    :|:||:::|||:|||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        326 SDKQCWEGEDLSKKT 340
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 12
US-09-828-995B-78
; Sequence 78, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
;   LENGTH: 563
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-78

  Query Match             66.2%;  Score 1392.5;  DB 2;  Length 563;
  Best Local Similarity   78.1%;  Pred. No. 3.9e-134;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85
              |: |||||||||||||||||||| |||||||  |:|||||:||||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145
              ||||||||||||||||||:|||| ||||||||:||||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325
              ||:|| ||||  || || || |||||    :|:||:::|||:|||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        326 SDKQCWEGEDLSKKT 340
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 13
US-09-828-995B-75
; Sequence 75, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
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;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
;   LENGTH: 565
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-75

  Query Match           66.2%;  Score 1392.5;  DB 2;  Length 565;
  Best Local Similarity  78.1%;  Pred. No. 3.9e-134;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85
              |: |||||||||||||||||||||| |||||||  |:|||||:|||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145
              ||||||||||||||||||:|||| ||||||||:|||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205
              |||||||:|||||:||  |||| |||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325
              ||:|| |||| || || || |||||    :|:||:::|||:||||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        326 SDKQCWEGEDLSKKT 340
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 14
US-08-609-572-2
; Sequence 2, Application US/08609572
; Patent No. 5710023
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/609,572
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  383 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-609-572-2

  Query Match           56.8%;  Score 1194.5;  DB 1;  Length 383;
  Best Local Similarity  58.9%;  Pred. No. 4.9e-114;
  Matches  219;  Conservative   55;  Mismatches   91;  Indels    7;  Gaps    3;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
              ||||   | ||   |: |  | :     ||||||||||||:||| |||||||:||: ::
Db          1 MAFV--HIRCLCFILLCTITGYS----LEIKVNPPQDFEILDPGLLGYLYLQWKPPVVIE 54

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
              || ||:|||||||: |::|||||:|| |||||||||||| || | |   ||||||||
Db         55 KFKGCTLEYELKYRNVDSDSWKTIITRNLIYKDGFDLNKGIEGKIRTHLSEHCTNGSEVQ 114

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
              | | | :| || :|  |||:||| |:|||||||:||||||  |  |||| :|:|||||||
Db        115 SPWIEASYGISDEGSLETKIQDMKCIYYNWQYLVCSWKPGKTVYSDTNYTMFFWYEGLDH 174

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
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Db        175 ALQCADYLQHDEKNVGCKLSNLDSSDYKDFFICVNGSSKLEPIRSSYTVFQLQNIVKPLP 234

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
              | :|  : |:| :|::||| | |||| ||: ||| ||||| :  :|| :|:    :  ||
Db        235 PEFLHISVENSIDIRMKWSTPGGPIPPRCYTYEIVIREDDISWESATDKNDMKLKRRANE 294

Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
              :  ||| || ||||||:||||||||:::|||       :: | :|     | :: :
Db        295 SEDLCFFVRCKVNIYCADDGIWSEWSEEECWEGYTGPDSKII-FIVPVCLFFIFLLLLLC 353

Qy        361 LLLRKPNTYPKM 372
              |:: |    | :
Db        354 LIVEKEEPEPTL 365


RESULT 15
US-08-841-751-2
; Sequence 2, Application US/08841751
; Patent No. 6214559
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
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;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/841,751
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/609,572
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  2:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  383 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-841-751-2

  Query Match             56.8%;  Score 1194.5;  DB 2;  Length 383;
  Best Local Similarity   58.9%;  Pred. No. 4.9e-114;
  Matches  219;  Conservative   55;  Mismatches   91;  Indels    7;  Gaps    3;

Qy          1 MAFVCLAIGCLYTFLISTTFGCTSSSDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLD 60
              ||||   | ||   |: |  | :     ||||||||||||:||| ||||||||:||: ::
Db          1 MAFV--HIRCLCFILLCTITGYS----LEIKVNPPQDFEILDPGLLGYLYLQWKPPVVIE 54

Qy         61 HFKECTVEYELKYRNIGSETWKTIITKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQ 120
               || ||:|||||||: |::|||||:|| |||||||||| || | |   ||||||||
Db         55 KFKGCTLEYELKYRNVDSDSWKTIITRNLIYKDGFDLNKGIEGKIRTHLSEHCTNGSEVQ 114

Qy        121 SSWAETTYWISPQGIPETKVQDMDCVYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDH 180
              | | | :| || :|  |||:||| |:|||||||:||||||  |  |||| :|:|||||||
Db        115 SPWIEASYGISDEGSLETKIQDMKCIYYNWQYLVCSWKPGKTVYSDTNYTMFFWYEGLDH 174

Qy        181 ALQCVDYIKADGQNIGCRFPYLEASDYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLP 240
              |||| ||:: | :|:||:   |::|||||:|||||||: :||||||  ||||||||||
Db        175 ALQCADYLQHDEKNVGCKLSNLDSSDYKDFFICVNGSSKLEPIRSSYTVFQLQNIVKPLP 234

Qy        241 PVYLTFTRESSCEIKLKWSIPLGPIPARCFDYEIEIREDDTTLVTATVENETYTLKTTNE 300
              | :|  : |:| :|::||| | |||| ||: ||| ||||| :  :|| :|:    :  ||
Db        235 PEFLHISVENSIDIRMKWSTPGGPIPPRCYTYEIVIREDDISWESATDKNDMKLKRRANE 294

Qy        301 TRQLCFVVRSKVNIYCSDDGIWSEWSDKQCWEGEDLSKKTLLRFWLPFGFILILVIFVTG 360
              :  ||| || ||||||:||||||||:::|||||       :: | :|     | :: :
Db        295 SEDLCFFVRCKVNIYCADDGIWSEWSEEECWEGYTGPDSKII-FIVPVCLFFIFLLLLLC 353

Qy        361 LLLRKPNTYPKM 372
              |:: |    | :
Db        354 LIVEKEEPEPTL 365


Search completed: January 27, 2006, 14:48:24
Job time : 23.3851 secs
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GenCore version 5.1.6

OM protein - protein search, using sw model

Run on: January 27, 2006, 14:41:39 ; Search time 18.6149 Seconds
(without alignments)
1403.470 Million cell updates/sec

Title: US-09-868-123-4_COPY_26_341
Perfect score: 1759
Sequence: 1 SDTEIKVNPPQDFEIVDPGY.....WSEWSDKQCWEGEDLSKKTL 316

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 572060 seqs, 82675679 residues

Total number of hits satisfying chosen parameters: 572060

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/ptodata/1/iaa/5_COMB.pep:*
2: /cgn2_6/ptodata/1/iaa/6_COMB.pep:*
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6: /cgn2_6/ptodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	1759	100.0	380	2	US-08-841-751-4	Sequence 4, Appli
3	1759	100.0	380	2	US-08-846-340-4	Sequence 4, Appli
4	1759	100.0	380	2	US-08-846-344-4	Sequence 4, Appli
5	1759	100.0	380	2	US-09-301-808-4	Sequence 4, Appli
6	1755	99.8	317	2	US-09-825-561A-84	Sequence 84, Appl
7	1396.5	79.4	365	2	US-09-828-995B-66	Sequence 66, Appl
8	1396.5	79.4	386	2	US-09-828-995B-61	Sequence 61, Appl
9	1392.5	79.2	318	2	US-09-828-995B-69	Sequence 69, Appl
10	1392.5	79.2	561	2	US-09-828-995B-72	Sequence 72, Appl
11	1392.5	79.2	561	2	US-09-828-995B-81	Sequence 81, Appl
12	1392.5	79.2	563	2	US-09-828-995B-78	Sequence 78, Appl
13	1392.5	79.2	565	2	US-09-828-995B-75	Sequence 75, Appl
14	1168	66.4	383	1	US-08-609-572-2	Sequence 2, Appli
15	1168	66.4	383	2	US-08-841-751-2	Sequence 2, Appli
16	1168	66.4	383	2	US-08-846-340-2	Sequence 2, Appli
17	1168	66.4	383	2	US-08-846-344-2	Sequence 2, Appli
18	1168	66.4	383	2	US-09-301-808-2	Sequence 2, Appli
19	879.5	50.0	255	2	US-09-828-995B-58	Sequence 58, Appl
20	822	46.7	220	2	US-09-949-016-7266	Sequence 7266, Ap
21	576	32.7	145	2	US-09-828-995B-55	Sequence 55, Appl
22	294.5	16.7	420	1	US-07-757-390-13	Sequence 13, Appl
23	294.5	16.7	420	1	US-08-442-282-13	Sequence 13, Appl
24	294.5	16.7	420	1	US-08-442-281-13	Sequence 13, Appl
25	294.5	16.7	420	1	US-08-939-727-13	Sequence 13, Appl
26	293.5	16.7	396	1	US-07-757-390-14	Sequence 14, Appl
27	293.5	16.7	396	1	US-08-442-282-14	Sequence 14, Appl
28	293.5	16.7	396	1	US-08-442-281-14	Sequence 14, Appl
29	293.5	16.7	396	1	US-08-939-727-14	Sequence 14, Appl
30	293.5	16.7	420	2	US-09-886-319A-24	Sequence 24, Appl
31	293.5	16.7	420	2	US-09-949-016-5958	Sequence 5958, Ap
32	293.5	16.7	427	2	US-09-949-016-8614	Sequence 8614, Ap
33	293.5	16.7	427	2	US-09-949-016-8620	Sequence 8620, Ap
34	293	16.7	313	2	US-08-836-561-106	Sequence 106, App
35	293	16.7	313	2	US-09-434-122-106	Sequence 106, App
36	292	16.6	335	1	US-07-947-130-2	Sequence 2, Appli
37	292	16.6	335	1	US-08-421-822-2	Sequence 2, Appli
38	292	16.6	335	1	US-08-421-823-2	Sequence 2, Appli
39	290	16.5	405	2	US-09-828-995B-50	Sequence 50, Appl
40	287.5	16.3	424	2	US-09-688-286D-2	Sequence 2, Appli
41	284	16.1	322	2	US-09-825-561A-82	Sequence 82, Appl
42	284	16.1	426	2	US-09-688-286D-4	Sequence 4, Appli
43	284	16.1	427	2	US-08-969-125-9	Sequence 9, Appli
44	284	16.1	427	2	US-09-545-002-9	Sequence 9, Appli
45	284	16.1	427	2	US-09-949-016-6094	Sequence 6094, Ap

ALIGNMENTS

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RESULT 1
US-08-609-572-4
; Sequence 4, Application US/08609572
; Patent No. 5710023
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/609,572
;      FILING DATE:
;      CLASSIFICATION:  530
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-609-572-4

  Query Match           100.0%;  Score 1759;  DB 1;  Length 380;
  Best Local Similarity  100.0%;  Pred. No. 1.8e-173;
  Matches  316;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
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Db         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
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Db         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325

Qy        301 SDKQCWEGEDLSKKTL 316
              ||||||||||||||||
Db        326 SDKQCWEGEDLSKKTL 341


RESULT 2
US-08-841-751-4
; Sequence 4, Application US/08841751
; Patent No. 6214559
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/841,751
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/609,572
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-841-751-4

  Query Match             100.0%;  Score 1759;  DB 2;  Length 380;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-173;
  Matches  316;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;
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Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
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Db        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205

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Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
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Db        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325

Qy        301 SDKQCWEGEDLSKKTL 316
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Db        326 SDKQCWEGEDLSKKTL 341


RESULT 3
US-08-846-340-4
; Sequence 4, Application US/08846340
; Patent No. 6248714
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/846,340
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/609,572
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-846-340-4
```

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  Query Match           100.0%;  Score 1759;  DB 2;  Length 380;
  Best Local Similarity  100.0%;  Pred. No. 1.8e-173;
  Matches  316;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325

Qy        301 SDKQCWEGEDLSKKTL 316
              ||||||||||||||||
Db        326 SDKQCWEGEDLSKKTL 341


RESULT 4
US-08-846-344-4
; Sequence 4, Application US/08846344
; Patent No. 6268480
;  GENERAL INFORMATION:
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  CYTOKINE RECEPTOR CHAIN
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/08/846,344
;      FILING DATE:
;      CLASSIFICATION:
;    PRIOR APPLICATION DATA:
;      APPLICATION NUMBER:  08/609,572
;      FILING DATE:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-08-846-344-4

  Query Match           100.0%;  Score 1759;  DB 2;  Length 380;
  Best Local Similarity  100.0%;  Pred. No. 1.8e-173;
  Matches  316;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325

Qy        301 SDKQCWEGEDLSKKTL 316
              ||||||||||||||||
Db        326 SDKQCWEGEDLSKKTL 341


RESULT 5
US-09-301-808-4
; Sequence 4, Application US/09301808
; Patent No. 6664227
;  GENERAL INFORMATION:
;    APPLICANT:  Wynn, Thomas
;    APPLICANT:  Chiaramonte, Monica
;    APPLICANT:  Collins, Mary
;    APPLICANT:  Donaldson, Debra
;    APPLICANT:  Fitz, Lori
;    APPLICANT:  Neben, Tamlyn
;    APPLICANT:  Whitters, Matthew
;    APPLICANT:  Wood, Clive
;    TITLE OF INVENTION:  TREATMENT OF FIBROSIS BY ANTAGONISM OF IL-13
;    TITLE OF INVENTION:  AND IL-13 RECEPTOR CHAINS
;    NUMBER OF SEQUENCES:  9
;    CORRESPONDENCE ADDRESS:
;      ADDRESSEE:  Genetics Institute, Inc.
;      STREET:  87 CambridgePark Drive
;      CITY:  Cambridge
;      STATE:  MA
;      COUNTRY:  USA
;      ZIP:  02140
;    COMPUTER READABLE FORM:
;      MEDIUM TYPE:  Floppy disk
;      COMPUTER:  IBM PC compatible
;      OPERATING SYSTEM:  PC-DOS/MS-DOS
;      SOFTWARE:  PatentIn Release #1.0, Version #1.25
;    CURRENT APPLICATION DATA:
;      APPLICATION NUMBER:  US/09/301,808
;      FILING DATE:
;      CLASSIFICATION:
;    ATTORNEY/AGENT INFORMATION:
;      NAME:  Brown, Scott A.
;      REGISTRATION NUMBER:  32,724
;      REFERENCE/DOCKET NUMBER:  GI5268A2
;    TELECOMMUNICATION INFORMATION:
;      TELEPHONE:  (617) 498-8224
;      TELEFAX:  (617) 876-5851
;  INFORMATION FOR SEQ ID NO:  4:
;    SEQUENCE CHARACTERISTICS:
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;      LENGTH:  380 amino acids
;      TYPE:  amino acid
;      TOPOLOGY:  linear
;    MOLECULE TYPE:  protein
US-09-301-808-4

  Query Match             100.0%;  Score 1759;  DB 2;  Length 380;
  Best Local Similarity   100.0%;  Pred. No. 1.8e-173;
  Matches  316;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         26 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 85

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         86 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 145

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        146 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 205

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        206 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 265

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        266 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 325

Qy        301 SDKQCWEGEDLSKKTL 316
              ||||||||||||||||
Db        326 SDKQCWEGEDLSKKTL 341


RESULT 6
US-09-825-561A-84
; Sequence 84, Application US/09825561A
; Patent No. 6777539
; GENERAL INFORMATION:
;  APPLICANT: Sprecher, Cindy A.
;  APPLICANT:  No. 6777539ak, Julia E.
;  APPLICANT:  West, James W.
;  APPLICANT:  Presnell, Scott R.
;  APPLICANT:  Holly, Richard D.
;  APPLICANT:  Nelson, Andrew J.
;  TITLE OF INVENTION: SOLUBLE ZALPHA11 CYTOKINE RECEPTORS
;  FILE REFERENCE: 00-22
;  CURRENT APPLICATION NUMBER: US/09/825,561A
;  CURRENT FILING DATE:  2000-04-05
;  PRIOR APPLICATION NUMBER: US 60/194,731
;  PRIOR FILING DATE: 2000-04-05
;  PRIOR APPLICATION NUMBER: US 60/222,121
;  PRIOR FILING DATE: 2000-07-28
;  NUMBER OF SEQ ID NOS: 86
;  SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 84
;   LENGTH: 317
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-825-561A-84

  Query Match             99.8%;  Score 1755;  DB 2;  Length 317;
  Best Local Similarity   100.0%;  Pred. No. 3.5e-173;
  Matches  315;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 DTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTIIT 61
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db          1 DTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTIIT 60

Qy         62 KNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDCV 121
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db         61 KNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDCV 120

Qy        122 YYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASD 181
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        121 YYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASD 180

Qy        182 YKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPIP 241
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        181 YKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPIP 240

Qy        242 ARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWS 301
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Db        241 ARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWS 300

Qy        302 DKQCWEGEDLSKKTL 316
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Db        301 DKQCWEGEDLSKKTL 315


RESULT 7
US-09-828-995B-66
; Sequence 66, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 66
;   LENGTH: 365
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-66

  Query Match             79.4%;  Score 1396.5;  DB 2;  Length 365;
  Best Local Similarity   78.2%;  Pred. No. 5.8e-136;
  Matches  247;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              |: |||||||||||||||||||| |||||||  |:|||||:|||||||||  || |||||
Db          4 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 63

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||||:|||| ||||||||:|||||||| ||||  |||:|||||
Db         64 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 123

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        124 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 183

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              ||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        184 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 243

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||:|| ||||  || || || |||||    :|:||:::|||:||||||||||||||||||
Db        244 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 303

Qy        301 SDKQCWEGEDLSKKTL 316
              ||:|||:| |: |:||
Db        304 SDEQCWKG-DIWKETL 318


RESULT 8
US-09-828-995B-61
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; Sequence 61, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 61
;   LENGTH: 386
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-61

  Query Match             79.4%;  Score 1396.5;  DB 2;  Length 386;
  Best Local Similarity   78.2%;  Pred. No. 6.3e-136;
  Matches  247;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              |: |||||||||||||||||||||| |||||||  |:|||||:||||||||| || |||||
Db         25 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 84

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||:|||| ||||||||:||||||||  ||||   |||:|||||
Db         85 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 144

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        145 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 204

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        205 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 264

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||:|| ||||  || || || |||||    :|:||:::|||:||||||||||||||||||
Db        265 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 324

Qy        301 SDKQCWEGEDLSKKTL 316
              ||:|||:| |: |:||
Db        325 SDEQCWKG-DIWKETL 339


RESULT 9
US-09-828-995B-69
; Sequence 69, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 69
;   LENGTH: 318
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-69

  Query Match             79.2%;  Score 1392.5;  DB 2;  Length 318;
  Best Local Similarity   78.1%;  Pred. No. 1.2e-135;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              |: |||||||||||||||||||||| |||||||  |:|||||:||||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||:|||| ||||||||:||||||||  ||||   |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||:|| ||||  || || || |||||    :|:||:::|||:||||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        301 SDKQCWEGEDLSKKT 315
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 10
US-09-828-995B-72
; Sequence 72, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 72
;   LENGTH: 561
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-72

  Query Match             79.2%;  Score 1392.5;  DB 2;  Length 561;
  Best Local Similarity   78.1%;  Pred. No. 2.9e-135;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              |: |||||||||||||||||||||| |||||||  |:|||||:||||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||:|||| ||||||||:||||||||  ||||   |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
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```
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||:|| ||||  || || || |||||    :|:||:::|||:||||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        301 SDKQCWEGEDLSKKT 315
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 11
US-09-828-995B-81
; Sequence 81, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 81
;   LENGTH: 561
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-81

  Query Match             79.2%;  Score 1392.5;  DB 2;  Length 561;
  Best Local Similarity   78.1%;  Pred. No. 2.9e-135;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              |: |||||||||||||||||||||| |||||||  |:|||||:|||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||:|||| ||||||||:|||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||:|| ||||  || || || |||||    :|:||:::|||:||||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        301 SDKQCWEGEDLSKKT 315
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 12
US-09-828-995B-78
; Sequence 78, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
;   LENGTH: 563
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-78

  Query Match             79.2%;  Score 1392.5;  DB 2;  Length 563;
  Best Local Similarity   78.1%;  Pred. No. 2.9e-135;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
              |: |||||||||||||||||||||| |||||||  |:|||||:|||||||| || |||||
Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120
              ||||||||||||||||||:|||| ||||||||:|||||||| ||||  |||:|||||
Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180
              ||||||||:||||||:||  |||| ||||||||||: :| |||| :|:|:|||||||:|
Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240
              |||||||||||||::||| ||| |||||||||:|| ||: | ::| || |||::| |||
Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300
              ||:|| ||||  || || || |||||    :|:||:::|||:||||||||||||||||||
Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        301 SDKQCWEGEDLSKKT 315
              ||:|||:| |: |:|
Db        305 SDEQCWKG-DIWKET 318


RESULT 13
US-09-828-995B-75
; Sequence 75, Application US/09828995B
; Patent No. 6703360
; GENERAL INFORMATION:
;  APPLICANT: Heska Corporation
;  APPLICANT:  McCall, Catherine A.
;  APPLICANT:  Tang, Liang A.
;  TITLE OF INVENTION: COMPOSITIONS AND METHODS RELATED TO CANINE IgG AND CANINE IL-13 R
;  FILE REFERENCE: AL-7
;  CURRENT APPLICATION NUMBER: US/09/828,995B
;  CURRENT FILING DATE:  2001-04-09
;  PRIOR APPLICATION NUMBER: 60/195,874
;  PRIOR FILING DATE: 2000-04-07
;  PRIOR APPLICATION NUMBER: 60/195,659
;  PRIOR FILING DATE: 2000-04-07
;  NUMBER OF SEQ ID NOS: 104
;  SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
;   LENGTH: 565
;   TYPE: PRT
;   ORGANISM: Canis familiaris
US-09-828-995B-75

  Query Match             79.2%;  Score 1392.5;  DB 2;  Length 565;
  Best Local Similarity   78.1%;  Pred. No. 2.9e-135;
  Matches  246;  Conservative   33;  Mismatches   35;  Indels    1;  Gaps    1;

Qy          1 SDTEIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTII 60
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Db          5 SNAEIKVNPPQDFEIVDPGYLGYLSLQWQPPLFPDNFKECTIEYELKYRNIDSENWKTII 64

Qy         61 TKNLHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDC 120

Db         65 TKNLHYKDGFDLNKGIEAKINTLLPAQCTNGSEVRSSWAETTYWTSPQGNRETKIQDMDC 124

Qy        121 VYYNWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEAS 180

Db        125 VYYNWQYLVCSWKPGMGVHFDTNYQLFYWYEGLDHSAECTDYIKVNGKNMGCRFPYLESS 184

Qy        181 DYKDFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPI 240

Db        185 DYKDFYICVNGSSESQPIRPSYFIFQLQNIVKPMPPDYLSLTVKNSEEINLKWNMPKGPI 244

Qy        241 PARCFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEW 300

Db        245 PAKCFIYEIEFTEDGTTWVTTTVENEIQITRTSNESQKLCFLVRSKVNIYCSDDGIWSEW 304

Qy        301 SDKQCWEGEDLSKKT 315

Db        305 SDEQCWKG-DIWKET 318
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RESULT 14
US-08-609-572-2
; Sequence 2, Application US/08609572
; Patent No. 5710023
; GENERAL INFORMATION:
; APPLICANT: Collins, Mary
; APPLICANT: Donaldson, Debra
; APPLICANT: Fitz, Lori
; APPLICANT: Neben, Tamlyn
; APPLICANT: Whitters, Matthew
; APPLICANT: Wood, Clive
; TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/609,572
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: GI5268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 383 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-609-572-2

Query Match 66.4%; Score 1168; DB 1; Length 383;
Best Local Similarity 66.6%; Pred. No. 2.8e-112;
Matches 203; Conservative 44; Mismatches 58; Indels 0; Gaps 0;

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Qy          4 EIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTIITKN 63

Db         23 EIKVNPPQDFEILDPGLLGYLYLQWKPPVVIEKFKGCTLEYELKYRNVDSDSWKTIITRN 82

Qy         64 LHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDCVYY 123

Db         83 LIYKDGFDLNKGIEGKIRTHLSEHCTNGSEVQSPWIEASYGISDEGSLETKIQDMKCIYY 142

Qy        124 NWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASDYK 183

Db        143 NWQYLVCSWKPGKTVYSDTNYTMPFWYEGLDHALQCADYLQHDEKNVGCKLSNLDSSDYK 202

Qy        184 DFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPIPAR 243

Db        203 DFFICVNGSSKLEPIRSSYTVFQLQNIVKPLPPEFLHISVENSIDIRMKWSTPGGPIPPR 262

Qy        244 CFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWSDK 303

Db        263 CYTYEIVIREDDISWESATDKNDMKLKRRANESEDLCFFVRCKVNIYCADDGIWSEWSEE 322

Qy        304 QCWEG 308

Db        323 ECWEG 327
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RESULT 15
US-08-841-751-2
; Sequence 2, Application US/08841751
; Patent No. 6214559
; GENERAL INFORMATION:
; APPLICANT: Collins, Mary
; APPLICANT: Donaldson, Debra
; APPLICANT: Fitz, Lori
; APPLICANT: Neben, Tamlyn
; APPLICANT: Whitters, Matthew
; APPLICANT: Wood, Clive
; TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
; NUMBER OF SEQUENCES: 9
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genetics Institute, Inc.
; STREET: 87 CambridgePark Drive
; CITY: Cambridge
; STATE: MA
; COUNTRY: USA
; ZIP: 02140
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/841,751
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/609,572
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Brown, Scott A.
; REGISTRATION NUMBER: 32,724
; REFERENCE/DOCKET NUMBER: GI5268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 498-8224
; TELEFAX: (617) 876-5851
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 383 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-841-751-2

Query Match 66.4%; Score 1168; DB 2; Length 383;
Best Local Similarity 66.6%; Pred. No. 2.8e-112;

Matches 203; Conservative 44; Mismatches 58; Indels 0; Gaps 0;

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Qy          4 EIKVNPPQDFEIVDPGYLGYLYLQWQPPLSLDHFKECTVEYELKYRNIGSETWKTIITKN 63
              ||||||||||||:||| ||||||||:||: :: || ||:||||||||: |::||||||:|
Db         23 EIKVNPPQDFEILDPGLLGYLYLQWKPPVVIEKFKGCTLEYELKYRNVDSDSWKTIITRN 82

Qy         64 LHYKDGFDLNKGIEAKIHTLLPWQCTNGSEVQSSWAETTYWISPQGIPETKVQDMDCVYY 123
              | |||||||||||| || | |   ||||||||| | | :| || :|  |||:||| |:||
Db         83 LIYKDGFDLNKGIEGKIRTHLSEHCTNGSEVQSPWIEASYGISDEGSLETKIQDMKCIYY 142

Qy        124 NWQYLLCSWKPGIGVLLDTNYNLFYWYEGLDHALQCVDYIKADGQNIGCRFPYLEASDYK 183
              |||||:||||||  |  |||| :|:||||||||||| ||:: | :|:|:||:   |::||||
Db        143 NWQYLVCSWKPGKTVYSDTNYTMFFWYEGLDHALQCADYLQHDEKNVGCKLSNLDSSDYK 202

Qy        184 DFYICVNGSSENKPIRSSYFTFQLQNIVKPLPPVYLTFTRESSCEIKLKWSIPLGPIPAR 243
              ||:|||||||: :|||||  |||||||||||| :|  : |:| :|::||| | |||| |
Db        203 DFFICVNGSSKLEPIRSSYTVFQLQNIVKPLPPEFLHISVENSIDIRMKWSTPGGPIPPR 262

Qy        244 CFDYEIEIREDDTTLVTATVENETYTLKTTNETRQLCFVVRSKVNIYCSDDGIWSEWSDK 303
              |: ||| ||||| :  :|| :|:    :  ||:  ||| || ||||||:||||||||::
Db        263 CYTYEIVIREDDISWESATDKNDMKLKRRANESEDLCFFVRCKVNIYCADDGIWSEWSEE 322

Qy        304 QCWEG 308
              :||||
Db        323 ECWEG 327
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Job time : 19.6149 secs